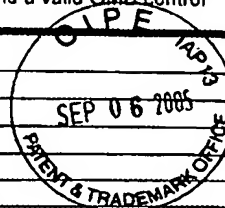


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				Application Number	10/621,570
				Filing Date	07/18/2003
				First Named Inventor	Kenji KANAYAMA
				Group Art Unit	2687
				Examiner Name	Phuoc Huu DOAN
				Attorney Docket Number	056203-0107
Sheet	1	of	2		



U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No. 1	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Number	Kind Code2 (if known)				
PHD	A1	2003/0037170	A1	Zeller et al.	02-20-2003		
	A2	2004/0125821	A1	Kuhl, Carmen	07-01-2004		
	A3	2004/0181296	A1	Muneta et al.	09-16-2004		
	A4	4,625,308	—	Kim et al.	11-25-1986		
	A5	4,715,031	—	Crawford et al.	12-22-1987		
	A6	4,750,171	—	Kedar et al.	06-07-1988		
	A7	5,218,680	—	Farrell et al.	06-08-1993		
	A8	5,400,018	A	Scholl et al.	05-21-1995		
	A9	5,732,094	—	Petersen et al.	03-24-1998		
	A10	5,850,338	—	Fujishima, Mitsushiro	12-15-1998		
	A11	5,907,689	—	Tavallaei et al.	05-25-1999		
	A12	6,389,480	—	Kotzur et al.	05-14-2002		
	A13	6,574,234	—	Myer et al.	06-03-2003		
	A14	H001,882	—	Asthana et al.	10-03-2000		
	A15	2004/0210326	A1	Muneta et al.	10-21-2004		
	A16	2005/0017875	A1	Nakayama et al.	01-27-2005		
	A17	2004/0210323	A1	Muneta et al.	10/21/2004		
	A18	2004/0215354	A1	Nakamura et al.	10/28/2004		
PHD	A19	2004/0210620	A1	Muneta et al.	10/21/2004		

FOREIGN PATENT DOCUMENTS								
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		Office 3	Number4	Kind Code5 (if known)				
PHD	A20	EP	0905594	A1	PHOENIX CONTACT GMBH & CO	03-31-1999	_____	_____
↓	A21	GB	2267984	A	Thorn EMI Electronics Ltd	12-22-1993	_____	_____
	A22	GB	2307068	A	MITSUBISHI DENKI KABUSHIKI KAISHA	05-14-1997	_____	Abst.
	A23	JP	60-062482		Fanuc Ltd.	04-10-1985	_____	Abst.
	A24	JP	03-116395	A	CSK Corporation	05-17-1991	_____	Abst.
	A25	JP	04-045697	A	NEC Corporation	02-14-1992	_____	Abst.
	A26	JP	05-37980	A	MITSUBISHI ELECTRIC CORP	02-12-1993	_____	Abst.
	A27	JP	6-324719	A	Omron Corporation	11-25-1994	_____	Abst.
	A28	JP	7-282090	A	TOSHIBA CORP.	10-27-1995	_____	Abst.
	A29	JP	08-211792	A	Mita Industrial Co., Inc.	08-20-1996	_____	Abst.
	PHD	A30	JP	11-24744	A	Shin Caterpillar Mitsubishi Ltd	01-29-1999	_____

Examiner Signature	PHUOC DOAN	Date Considered	10/26/05
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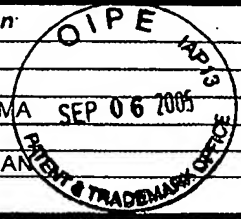
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		Office 3	Number 4	Kind Code 5 (if known)				
PHD ↓ PHD	A31	JP	2000-259215	A	OMRON CORPORATION	09-22-2000	—	Abst.
	A32	JP	2000-269996	A	Omron Corp.	09-29-2000	—	Abst.
	A33	JP	2001-084014	A	NIPPON SIGNAL CO LTD	03-30-2001	—	Abst.
	A34	JP	2001-83002	A	Ishida Co., Ltd	03-30-2001	—	Abst.
	A35	JP	2002-71519	A	NTN CORP.	03-08-2002	—	Abst.
	A36	JP	2002-73121	A	FUJI ELECTRIC CO., LTD	03-12-2002	—	Abst.
	A37	WO	02/098065	A1	Omron Corporation	12-05-2002	—	—

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T6

Examiner Signature PHUOC DOAN	Date Considered 10/26/05
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